



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

A. G. Kawamura, Secretary

May 23, 2008

Dr. Dennis Knepp
P.O. Box 1014
Monterey, CA 93942

Dr. Jeff Haferman
P.O. Box 30
Monterey, CA 93942

RE: Your letter dated May 14, 2008

Dear Drs. Knepp and Haferman:

Thank you for your response to my last letter of May 14. It indicates to me the need to reiterate one critical aspect; that is, almost 3/4 of the CheckMate LBAM-F product is water, and a little more than 1/5 consists of microcapsules. The microcapsules consist principally of liquid pheromones inside a polyurea shell. The following is a list of the contents of the product by weight:

Water, approximately 72%
Pheromones, approximately 18%
Polyurea, approximately 3%
Other inert ingredients, approximately 7%

The microcapsules total approximately 21 percent of the formulation. This translates to about 18 grams of microcapsules per acre, as per my previous letter dated May 9.

According to the manufacturer, the microcapsules tend to adhere to surfaces they contact. This means that once settled out of the air, most of the microcapsules will be adhering to trees, shrubs, ground, etc. While it is possible that under certain environmental conditions (e.g., high wind velocity), some of the settled microcapsules could be resuspended, the resulting concentration of microcapsules in the air is likely to be much less than that during or immediately after the spray.

Inhalation exposure to the microcapsules is considered short-term. The microcapsules cannot remain in the air for 30 days. The smallest microcapsules in the CheckMate LBAM-F product are larger than 4.5 micron in diameter, because as discussed in the previous letter dated May 9, it would only take 1-2 hours for these microcapsules to settle out of the breathing zone. The larger particles settle even faster.



Drs. Dennis Knepp and Haferman

May 23, 2008

Page 2

The pheromones are slowly released from the microcapsules into the air for approximately 30 days where they serve as attractants to the male moths, causing mating disruption.

I hope you find the above information useful. If you have any further questions or concerns, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert Leavitt", with a stylized flourish at the end.

Robert Leavitt, Ph.D.
Branch Chief